

PFOA Update: Week 8/1/2016

RA briefing

The announcement on May 19, 2016, of the new health advisory (HA) for PFOA and PFOS has raised concern in areas where water supplies were sampled under UCMR, and where they have not. There are backlogs at labs for water testing, and concerns about blood testing capabilities. We have fact sheets available and are attempting to increase lab capacity, but this may be left to the states to certify additional labs. We also expect "NSF. Org" to begin certifying home treatment units in the next 6 months for PFC removal. Currently there are no certified point of use devices tested for PFC removal.

Status of cases in each of our States:

Delaware

Newcastle- All 3 Public water supply wells have treatment installed and back on line. Still working with HSCD to investigate sources including the Air Guard. Three (3) additional Artesian Water Co. wells all remain offline. They system is using other sources for replacement.

Dover- Dover Air Force Base water supply wells protected, one home outside of the property above new HA, but not inhabited.

Pennsylvania

Harrisburg International Airport- United Water 1 entry point taken offline at the Airport, system re-worked to eliminate source. The Airport's 4 wells were impacted, installing treatment under DEP permits. The Airport is currently buying water from United Water.

Warminster- In the vicinity of the former Naval Air Warfare Center

- Three Public wells were initially taken offline under the provisional Health Advisory (PHA), 3 additional public wells taken offline in May, with the new Health Advisory (HA).
- A total of 37 private wells are impacted: 25 by new HA. Initial 12 impacted by the PHA are newly hooked up to public water.
- Navy has agreed to sample two Northampton public water supply wells at the request of the water supply operator. No data received to date due to lab backlogs. These are not expected to be impacted but are the closest to the site.

Horsham/ Willow Grove- Naval Air station

- Two on base wells had treatment installed on July 1, waiting sample results before going off bottled water. Received sample results from the required source sampling on site. The retention basin for storm water confirmed to have levels up over 400 ppb (400,000 ppt) on PFOA/PFOS, therefore a letter was sent to the Air Guard to expand their area of sampling along the Little Neshaminy Creek, where their surface water discharges, and also investigate control/treatment of the discharge from the storm water basin.
- Approximately 350 private wells have been sampled in the area through Navy and Air Guard contracts with EPA. Approximately 104 homes are on bottled water or getting hooked up to public water systems.

- *Horsham Water System*
 - 2 wells initially offline since June 2014, 3 additional wells taken offline following new HA. DEP permit applications are completed with treatment installation on the initial wells scheduled to be in by Fall.
- *Warrington*
 - 1 entry point with 3 wells taken offline under PHA, 2 additional wells taken off with new HA.

Aqua Pennsylvania

- Aqua PA sampled their water sources in Bucks and Montgomery Counties and found five wells and one surface water intake contaminated with PFOA and PFOS. They detected PFOS /PFOA at 99 ppt in one well in Hatboro, south of the Willow Grove Naval Air Station. That well has been off line for 2 years and remains to) and 68 ppt in one well in the Chalfont area. This Chalfont well was taken off line. Aqua requested a meeting with EPA and PADEP to share results of monitoring to help them plan their next round of sampling.

The Doylestown Cross Keys well

- Taken off line in May after issuance of the new HA. PADEP is overseeing the sampling of about 250 private wells in a one mile radius of the Cross Keys well. There is no indication that PADEP is assessing the area for a source of the contaminant.

Virginia-

Fentress Naval base, part of Oceana

- Two on-base wells offline, 7 homes/daycare/church provided bottled water.

West Virginia-

DuPont: in the Washington Works area covering parts of West Virginia and Ohio

Private Wells

- About 65 private wells were provided GAC treatment; about 50 private wells were with hooked up to public water out of approximately 400 locations sampled to date. Eight public water system wells in Vienna impacted by the new HA.
- DuPont is offering resampling and bottled water to 31 homes initially known to be impacted under the new HA. Eight of the 31 homes are now hooked up to public water, 2 additional homes are currently vacant. Of the 4 homes re-sampled to date, 3 have confirmed levels above 70 ppt and will be offered GAC treatment or a hook up to public water. The fourth is currently below 70 ppt and will be resampled for 4 quarters to confirm values.

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Public Water Systems

- *Williamstown, Marietta and Warren:*

- DuPont/ Chemours has sampled of these three public water systems. They are in the expanded area of interest to be covered under the amended Order. Results are still pending.
- *Vienna:*
 - DuPont has installed GAC treatment covering wells 11-14. The new treatment system is undergoing disinfection and testing before going on-line with an expected start-up date of 8/8/16.
 - An inter connection with Parkersburg is in place serving the southern portion of Vienna until treatment can be installed on their wells 9 & 10.
- *Martinsburg*
 - Sporadic levels of PFOS above the new HA were found in one of their two sources and taken offline for further investigation. The City has been able to maintain pressure with their remaining source, but a booster pump station is planned to improve service in the southern portion of their distribution system.